Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/09/2019 10:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124243	-1	2.25	124274	2.25
Blue	F	SSC	125000	122588	-2	3.82	123323	3.77
Blue	E	FITC	16694	16231	-3	3.82	379	21.51
Blue	D	PE	32792	32266	-2	3.07	709	15.88
Blue	B	PerCP-Cy5-5	44451	44174	-1	4.70	1205	22.72
Blue	A	PE-Cy7	33645	33457	-1	7.09	607	47.60
Red	C	APC	47008	46611	-1	2.99	1802	13.41
Red	A	APC-Cy7	32298	31873	-2	2.94	796	13.99
Violet	B	V450	8961	8688	-4	4.59	480	14.57
Violet	A	V500	32726	31874	-3	4.34	766	11.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20322	4.55	606	-7	N/A	N/A	Pass
Blue	F	SSC	55524	3.25	574	6	N/A	N/A	Pass
Blue	E	FITC	62	74.13	562	-1	0.0166	190	Pass
Blue	D	PE	143	55.60	566	0	0.1439	304	Pass
Blue	B	PerCP-Cy5-5	226	54.62	670	-1	0.0076	49	Pass
Blue	A	PE-Cy7	120	117.14	725	-1	0.0090	24	Pass
Red	C	APC	413	28.70	611	-2	0.0191	134	Pass
Red	A	APC-Cy7	197	31.83	583	-2	0.0047	1229	Pass
Violet	B	V450	70	68.76	484	-2	0.0409	1964	Pass
Violet	A	V500	109	41.57	494	-2	0.0197	1402	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.88	-32.19	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.20	13.60 - 20.40	N/A	N/A	29.12	29.80	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 14968

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments